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# NOTICE OF ALLOWANCE AND FEE(S) DUE

33448 7590 12/27/2010

ROBERT J. DEPKE LEWIS T. STEADMAN ROCKEY, DEPKE & LYONS, LLC

SUITE 5450 SEARS TOWER CHICAGO, IL 60606-6306 EXAMINER KOCH, GEORGE R

PAPER NUMBER

ART UNIT

1745

DATE MAILED: 12/27/2010

 APPELCATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10/541,258
 06/29/2005
 Takanori Takahashi
 07583400583
 1135

TITLE OF INVENTION: LIQUID EMITTING DEVICE AND LIQUID EMITTING METHOD

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/28/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless corrects maintenance fee notifica	ed below or directed otl ttions.	ng the Patent, advance of nerwise in Block 1, by (	a) specifying a new co	orrespon	idence address;	and/o	(b) indicating a sepa	rate "FEE	ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying paper, Each additional paper, such as an assignment or formal drawing, mus have its own certificate of mailing or transmission.					
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SUITE 5450 SE CHICAGO, IL 6									(Depositor's name)
CHICAGO, IL C	0000-0300								(Signature)
			[						(Date)
APPLICATION NO.	PPLICATION NO. FILING DATE		FIRST NAMED INVENT	FOR		ATTORNEY DOCKET NO.		CONFIRMATION NO.	
10/541,258	06/29/2005	•	Takanori Takahash	anori Takahashi		075834.00583			1135
TITLE OF INVENTION	: LIQUID EMITTING I	DEVICE AND LIQUID I	MITTING METHOD						
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nonprovisional	NO	\$1510	\$300	_	\$0		\$1810		3/28/2011
EXAM		ART UNIT	CLASS-SUBCLASS						
KOCH, G		I745	427-427200						
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(A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	ified below, no assignee pletion of this form is NO	data will appear on th VT a substitute for filing (B) RESIDENCE: (C.	ne paten an assi ITY and	d STATE OR C	OUNT	'RY)		
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):	Ind	fividual 🖵 Co	rporati	on or other private gro	up entity	Government
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (I		first reapply ar	ıy prev	lously paid issue fee	shown abo	ve)
Issue Fee	No small entity discount	nermitted)	A check is enclose  Payment by credit		orm PTO-2038	ie atte	ched		
Advance Order -				reby aut	thorized to char	ge the	required fee(s), any de	ficiency, or	credit any y of this form).
5. Change in Entity Sta							FITY status. Sec 37 Cl		
NOTE: The Issue Fee an interest as shown by the	ns SMALL ENTITY state and Publication Fee (if req								
interest as snown by the	records of the United Sta	tes ratent and Trademar	k Office.						
Authorized Signature					Date				
Typed or printed nam			Registration N						
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CHICAGO, IL 60606-6306

# UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO	NO. FILING DATE		FILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.	
10/541,258	06/29/2005		Takanori Takahashi	075834.00583	1135	
33448 7590 12/27/2010		12/27/2010		EXAMINER		
ROBERT J. I	DEPKE		KOCH, GEORGE R			
LEWIS T. STI			ART UNIT	PAPER NUMBER		
ROCKEY, DE			1745			
SUITE 5450 S			DATE MAILED: 12/27/2010			

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 246 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 246 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)				
10/541,258	TAKAHASHI ET AL.				
Examiner	Art Unit				
George B. Koch III	1745				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFB 1.313 and MPEP 1308.

- This communication is responsive to 12/9/2010.
- 2. The allowed claim(s) is/are 1-24.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - b) ☐ Some\* c) ☐ None of the:
    - 1. T Certified copies of the priority documents have been received.
    - 2. Certified copies of the priority documents have been received in Application No.
    - 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. 

  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) hereto or 2) to Paper No./Mail Date
    - (b) I including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. 

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08). Paper No./Mail Date
- 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413). Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 

  ☐ Other

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Art Unit: 1745

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or
additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the
payment of the issue fee.

The application has been amended as follows:

In the first line of the specification, insert -- This application is a national stage entry of PCT/JP04/16334, filed on 11/4/2004.--

- 2. The following is an examiner's statement of reasons for allowance: As to claim 1 and 11, the prior art of record does not disclose that "the liquid spraying control data is adjusted based on carrying-speed change information and environment data in order to reduce color misregistratioa in printed image data so that a timing of ink ejection for each of a plurality of different color ink emitters is altered for each of the different ink emitters". Estelle, as discussed in the prior action, is an ON-OFF transition control system, and it would not have been obvious to include storage means with controlling means as claimed.
- 3. Similarly, as to claims 6 and 17, the prior art of record does not disclose that "the liquid spraying control data is adjusted based on carrying-speed change information and environment data in order to reduce color mis-registratioa in printed image data so that a timing of ink ejection for each of a plurality of different color ink emitters is altered for each of the different ink emitters". Estelle, as discussed in the prior action, is an ON-OFF transition control system, and it would not have been obvious to include storage means with controlling means as claimed.

Application/Control Number: 10/541,258

Art Unit: 1745

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George R. Koch III whose telephone number is (571) 272-1230 (TDD only). If the applicant cannot make a direct TDD-to-TDD call, the applicant can communicate by calling the Federal Relay Service at 1-866-377-8642 and giving the operator the above TDD number. The examiner can also be reached by E-mail at <a href="mailto:george.koch@uspto.gov">george.koch@uspto.gov</a> in accordance with MPEP 502.03. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Philip Tucker can be reached on (571) 272-1095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Art Unit: 1745

Primary Examiner, Art Unit 1745

12/20/2010